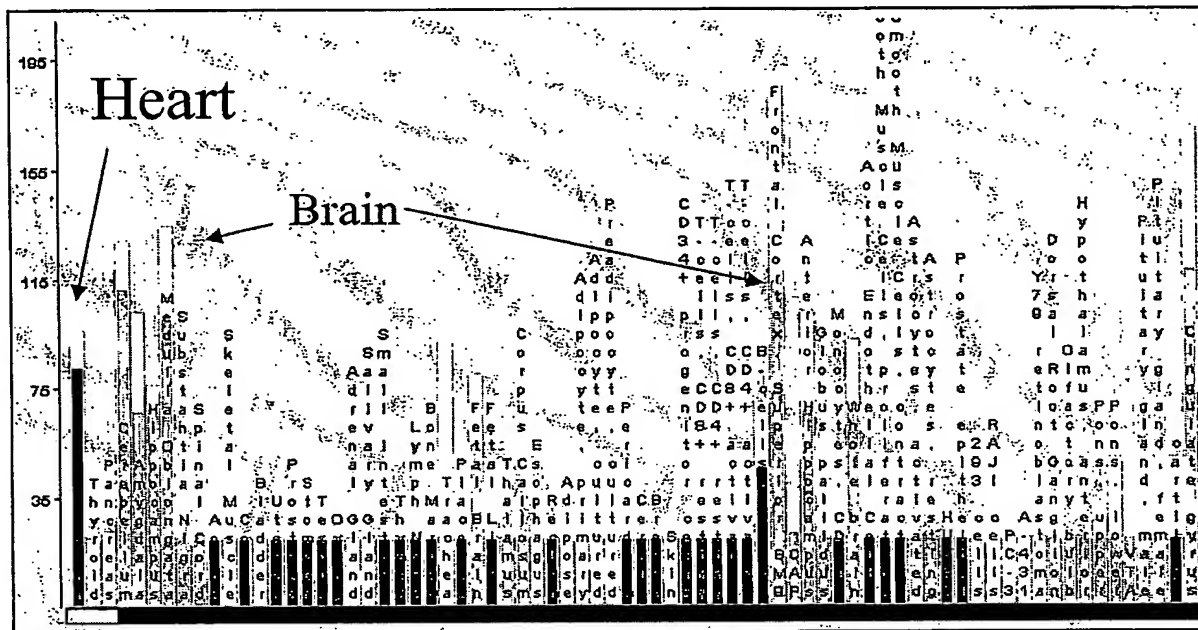


Figure 1

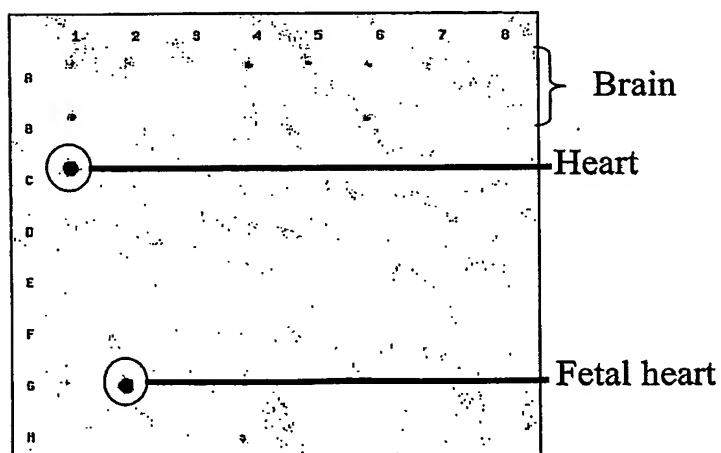
## Figure 2

### RUP41 Expression Profile in Human Tissues

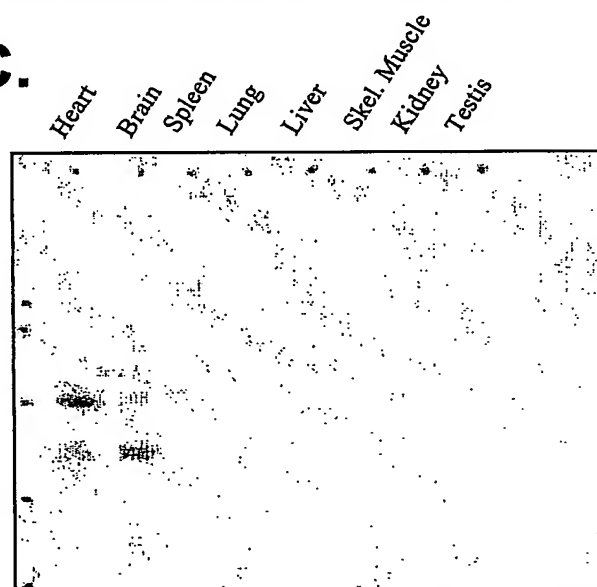
A.



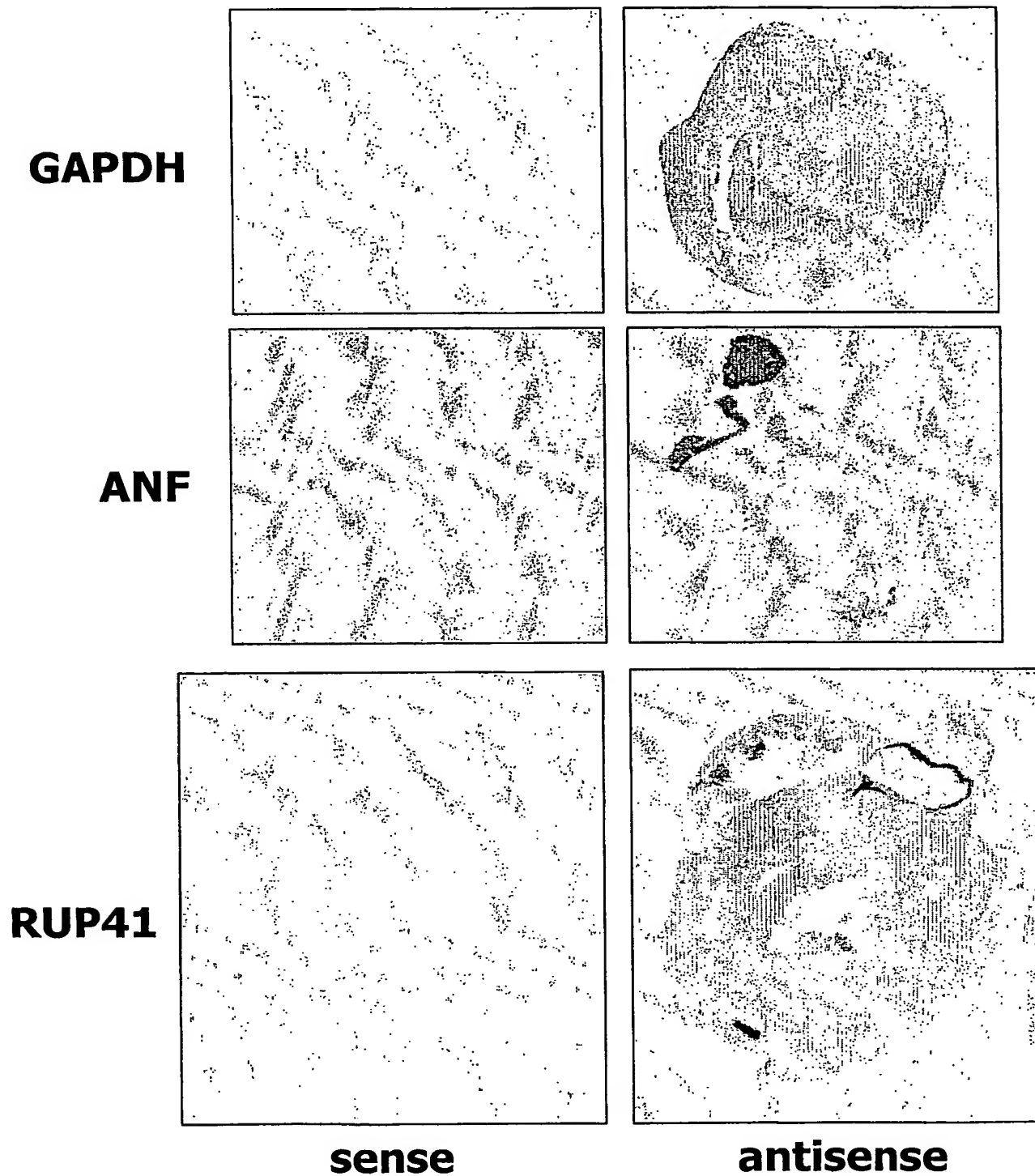
B.



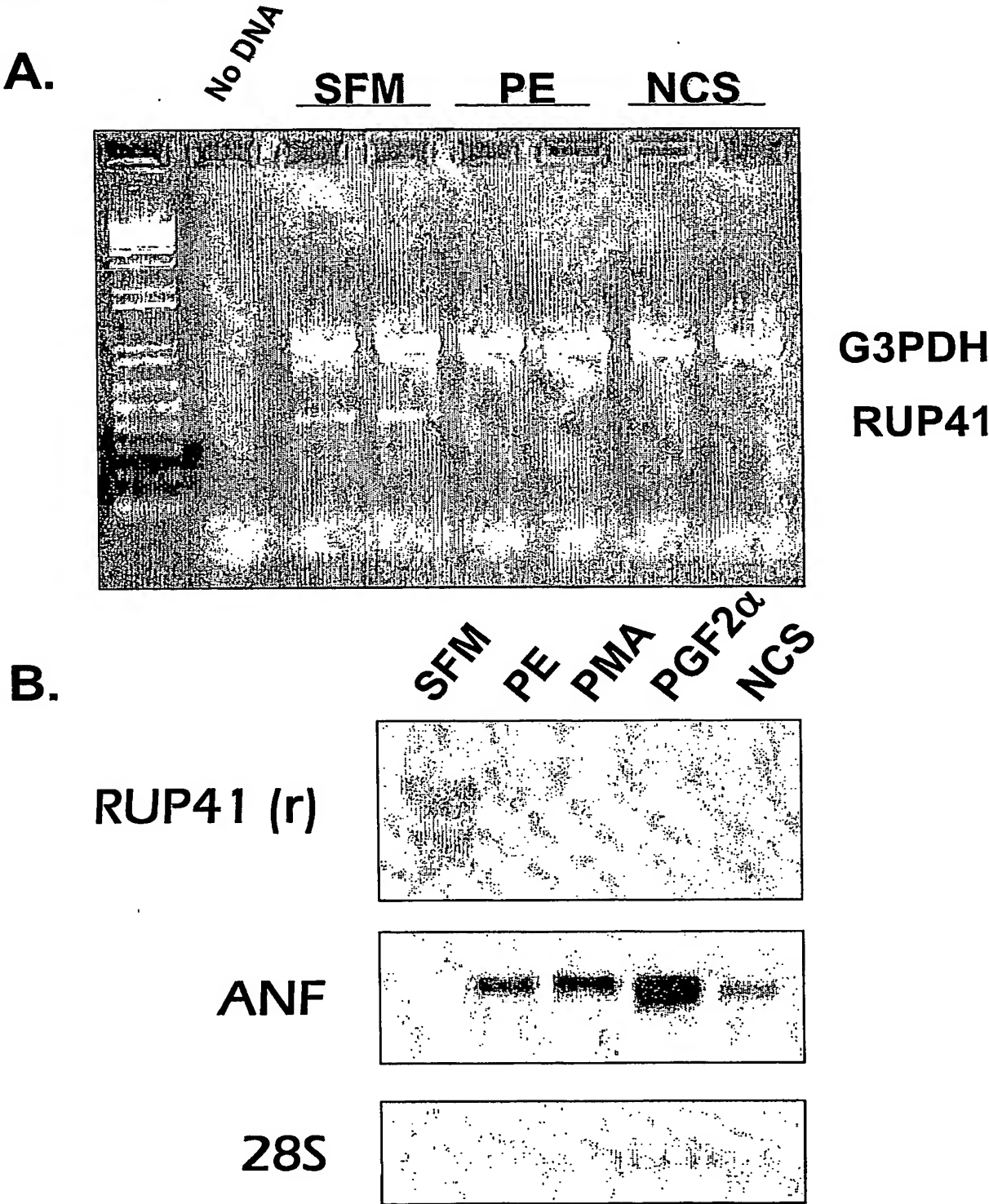
C.



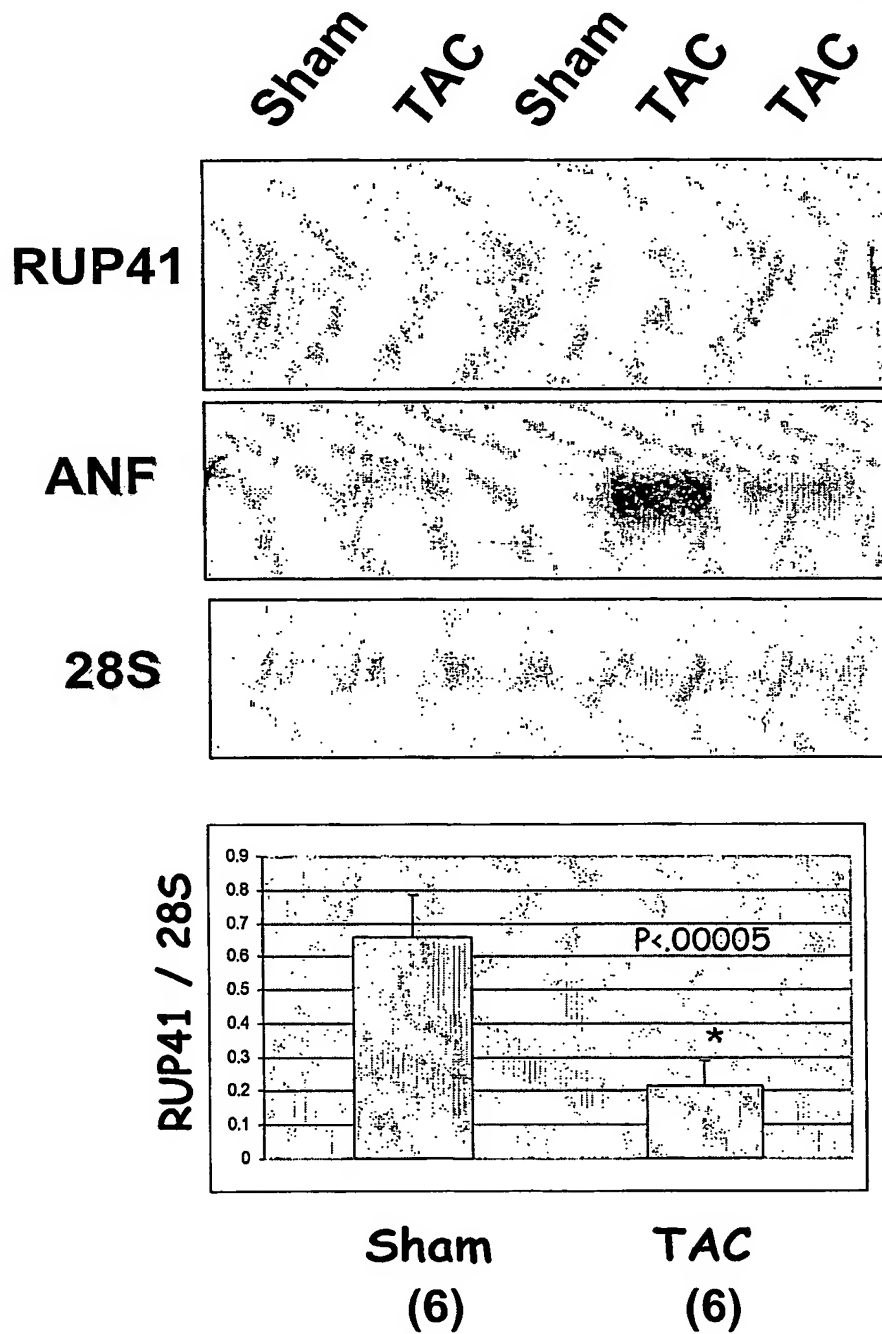
**Figure 3. In Situ Hybridization:  
RUP41 Expression in Adult Rat Heart**



**Figure 4. Down-Regulation of RUP41 in Hypertrophied Neonatal Rat Ventricular Myocytes**

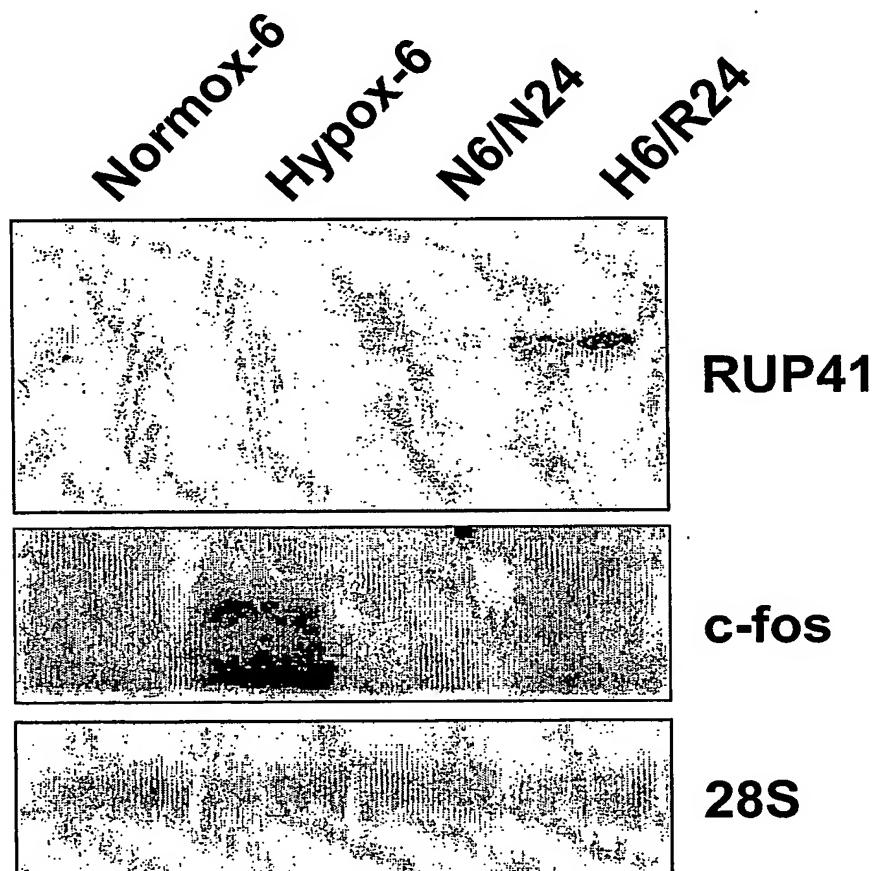


**Figure 5**  
**Down-Regulation of RUP41 in Mouse Hearts**  
**Subjected to Pressure Overload Hypertrophy**



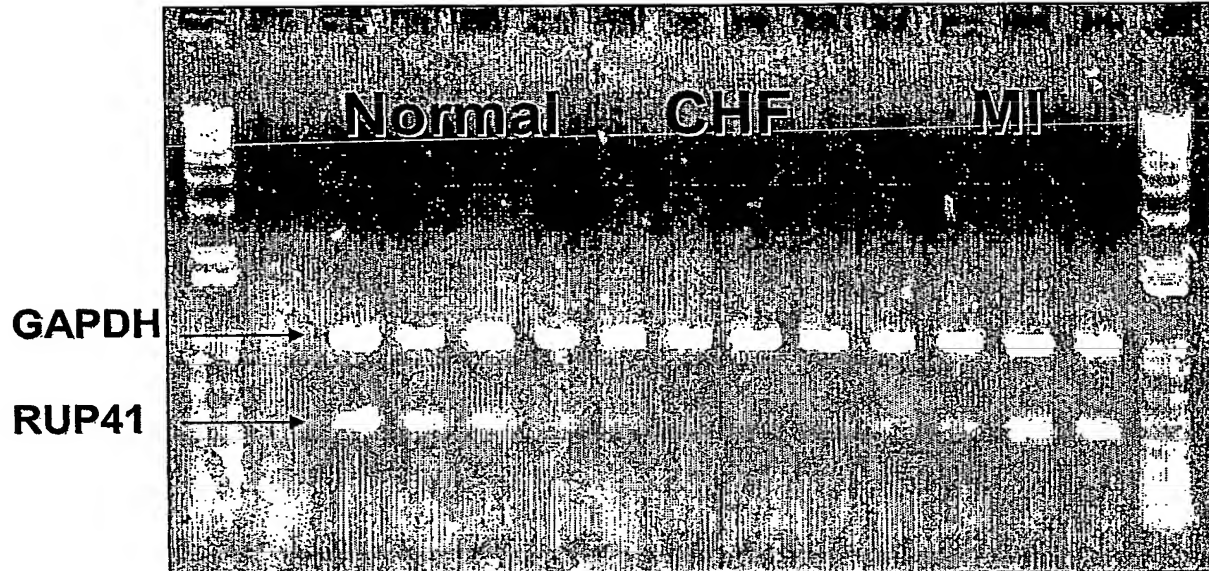
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**Figure 6. Down-Regulation of RUP41  
In NRVMs Subjected to Hypoxia**

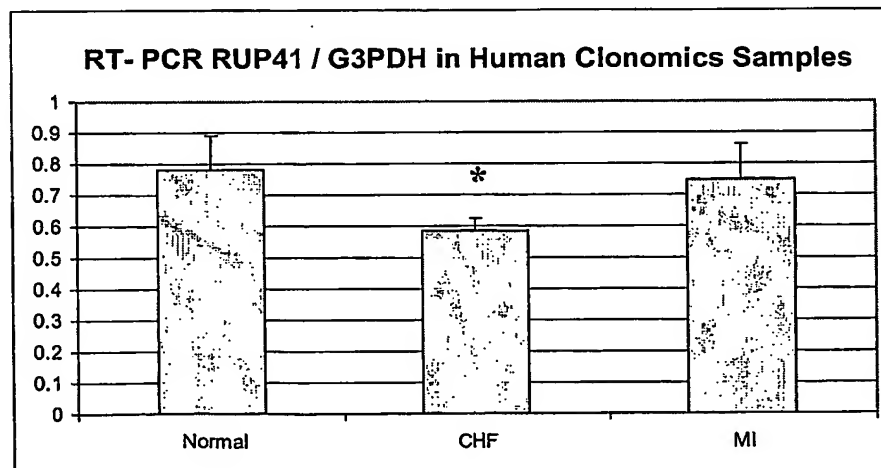


## Figure 7. Down-Regulation of RUP41 In Humans with Congestive Heart Failure

A.

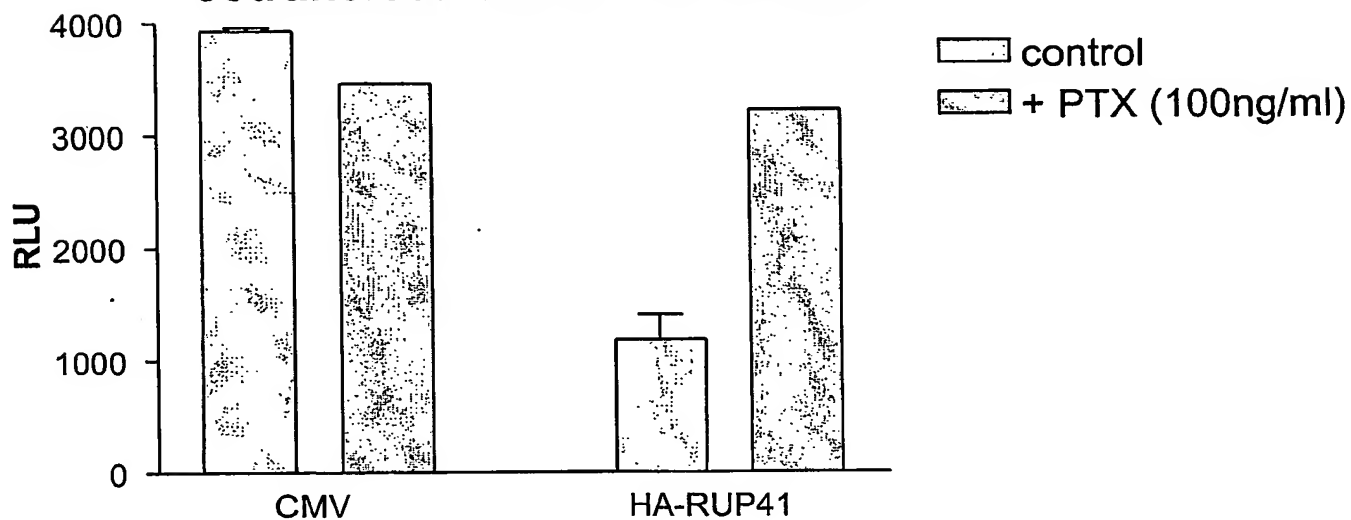


B.

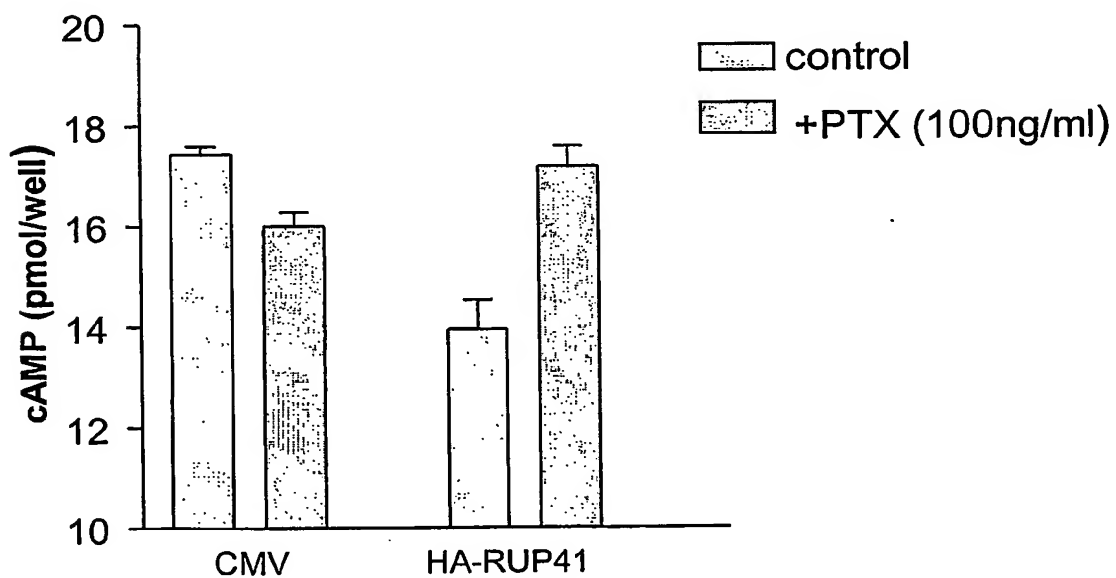


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**Figure 8**  
**RUP41 Couples to Gi in COS-7 cells**  
**cotransfected with TSHR-A623I**



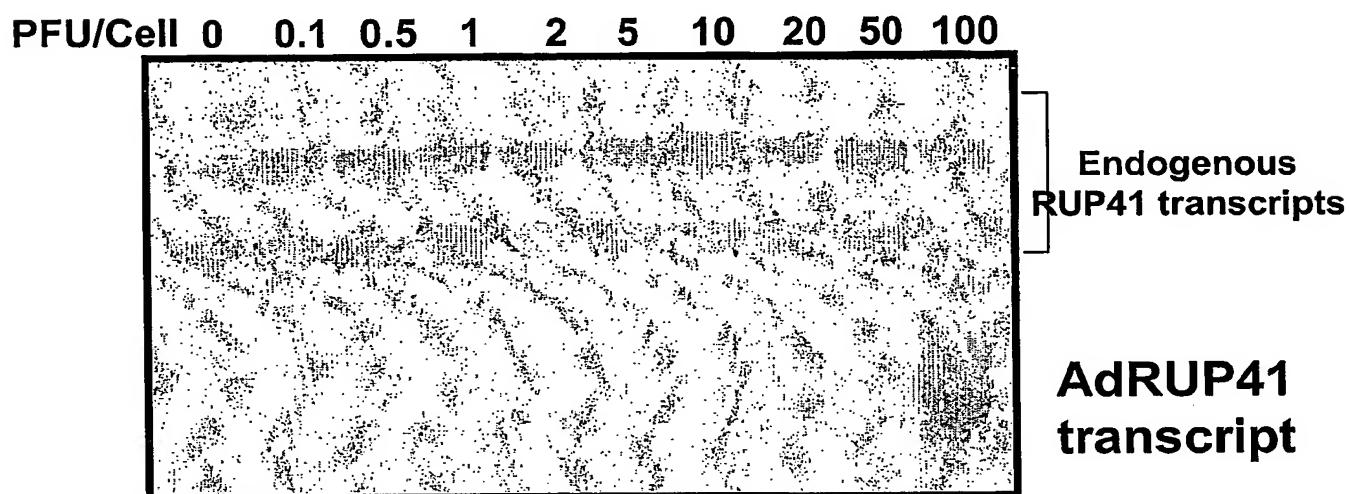
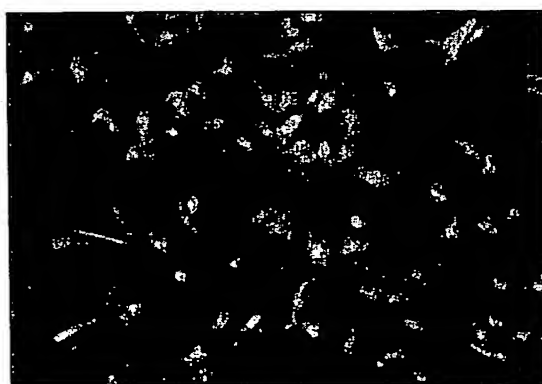
**Stimulated by 1 $\mu$ M forskolin**





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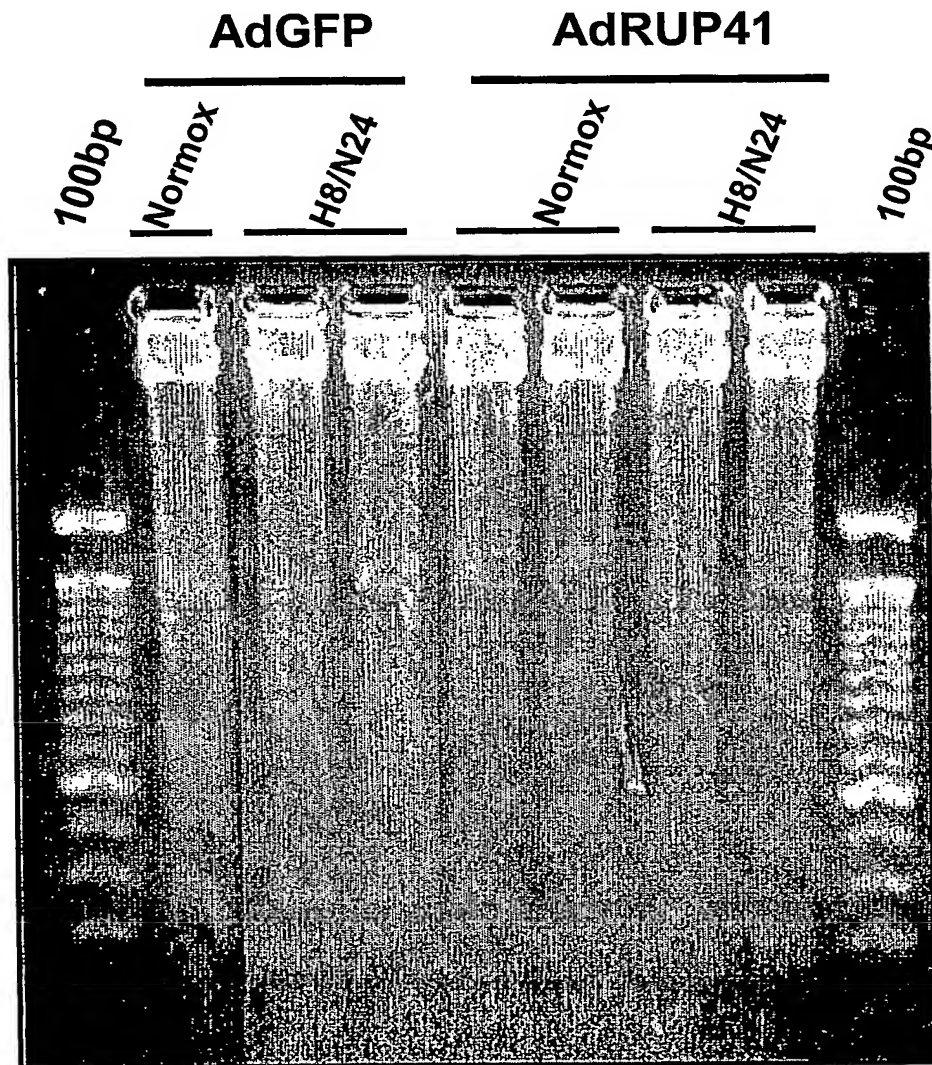
**Figure 9**  
**Adenovirus-Mediated Over-Expression**  
**Of RUP41 Promotes Survival of NRVMs**

**A.****B.****No Virus****AdRUP41**

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# Figure 10

## Over-Expression of RUP41 Rescues NRVMs From Hypoxia/Reoxygenation Induced Apoptosis



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